

KOMALCZYK, Mieczyslaw

SURNAME, Given Names

Country: Poland

2

Academic Degrees: Lekarz / Physician

Affiliation: Second Clinic of Internal Diseases (II Klinika Chorob Wewnętrz-  
nych), School of Medicine (Akademia Medyczna), Krakow;  
Director: Prof. T. TEMPKA, dr med.

Source: Warsaw, Przegląd Lekarski, No 6, 1961, pp 225-227.

Data: "Remarks on Sending Patients for Spa Treatment."

GPO 981643

KOWALCZYK, R.

Winged farmers. p. 211. (SKRZYDLATA POLSKA, Vol. 10, No. 14, Apr. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KOŁODZIEJCZAK, J.; KOWALCZYK, R.

Effective mass of holes in InSb. Acta physica Pol 21 no.4:389-398  
Ap '62.

1. Institute of Physics, Polish Academy of Sciences, Warsaw.

KOWALCZYK, R.

WISLICKI, A,: KOWALCZYK, R., "Assembling The Steel Frame Of The Palace Of Culture And Science In Warsaw" p. 87. (Przegląd Budowlany, Vol. 25, no. 3, Mar. 1953, Warszawa)

East European Vol. 3, No. 2,  
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, February, 1954 ~~1953~~, Uncl.

KOWALCZYK, R.

Prestressed constructions in the German Democratic Republic; a report on a trip. Pł. 141. Vol. 12, no. 4, Apr. 1955. INŻYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), IC, Vol. 5, no. 3. March 1956.

KOWALCZYK, R.

Activities of the Department of Steel Constructions of the Institute of Building Construction. p. 142. Vol. 12, no. 4, Apr. 1955. INZYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), IC, Vol. 5, no. 3. March 1956.

KOWALCZYK, R.; TAISIERSKI, T.; THIEL, K.

Winter building activities and modern Danish building at the Copenhagen meeting. p. 24. (Budownictwo Przemyslowe, Vol. 5, No. 7/8, July/Aug 1956. Warsaw, Poland)

SC: Monthly List of East European Accessions (FEAL) IC, Vol. 6, No. 8, Aug 1957. Uncl.

JAROSZ, Tadeusz, (Warszawa); KOWALCZYK, Ryszard (Warszawa)

Mechanical properties of the Polish 61/5 cables for prestressed concrete. Archiw inz lad 6 no.3:361-382 '60.



KOWALCZYK, Ryszard, mgr inż.

"Justification of geodetic instruments" by B. S. Grishin.  
Reviewed by Ryszard Kowalczyk. Przegl geod 35 no. 6:268  
Je '63.

GRANDT, Andrzej; ROMAŁCZYK, Ryszard (Warsaw)

Outlines of a synthesis of the topics of research works  
carried on in the field of concrete in Poland in 1963.  
Archiw inż. 10 nr. 4:478-484 '64.

KOWALCZYK, Ryszard, dr inz.; ROSLI, Alfred, dr inz.

Prestressed bridge testing in Opfikon near Zurich, Switezerland.  
Inz i bud 21 no.3:77-86 Mr '64.

L 21457-66 IJP(c) AT

ACC NR: AP6001449

SOURCE CODE: PO/0045/65/028/005/0681/0687

AUTHOR: Kowalczyk, R.; Pirog, M.; Sujak, B. 14  
B

ORG: [Kowalczyk; Pirog] Solid Surface Physics Laboratory, Department of Experimental Physics, Pedagogical College of Opole, Poland (Zaklad Fizyki Powierzchni Ciala Stalego, Katedra Fizyki Doswiadczalnej Wyzej Szkoły Pedagogicznej w Opolu); [Sujak] Laboratory for Induced Electron Emission, Institute of Experimental Physics, Wroclaw University, Poland Department of Experimental Physics, Pedagogical College of Opole, Poland (Zaklad Wzbudzonej Emisji Elektronow, Katedra Fizyki Doswiadczalnej Uniwersytetu Wroclawskiego)

TITLE: <sup>21, 44-45</sup>Thermostimulated exoelectron emission from hydrates, as detected in atmospheric air

SOURCE: Acta physica polonica, v. 28, no. 5, 1965, 681-687

TOPIC TAGS: exoelectron emission, atmospheric air, crystalline hydrates, quinine sulfate

ABSTRACT: An open point counter with quenching vapor over a free liquid surface was used in investigations of exoelectron emission from the following crystalline hydrates in the process of bonding and losing water molecules:  $C_{20}H_{24}O_2 \cdot H_2SO_4 \cdot 8H_2O$ ,  $Na_2CO_3 \cdot 10H_2O$ ,  $NiSO_4 \cdot 7H_2O$ , 2

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L 21457-66

ACC NR: AP6001449

CuSO<sub>4</sub> . 5H<sub>2</sub>O, MgSO<sub>4</sub> . 7H<sub>2</sub>O, FeSO<sub>4</sub> . 7H<sub>2</sub>O. Emission of exoelectrons into an atmosphere of air was observed to occur only from quinine sulfate. Irradiation of previously dehydrated hydrates with UV radiation as well as with  $\alpha$  and  $\beta$  particles failed to excite the samples to emit exoelectrons when heated in an atmosphere of air. Orig. art. has: 7 figures. [Author's abstract.]

[KS]

SUB CODE: 20,08 SUBM DATE: 31Mar65/ ORIG REF: 006/ OTH REF: 003

Card 2/2 dda

*PAH* KOWALCZYK, S.

1130

621.009

Kowalczyk S. Organizing the Production of Machine-Tools.

„Organizacja produkcji maszyn roboczych” Przegląd Mechaniczny, No. 4, 1951, pp. 95—100, 3 figs., 2 tabs.

Mass production, production in lots, production of single pieces; the chief characteristics of these methods of production. The choice of parameters for a new machine must be made in accordance with the exigencies of production and the possibilities of our industry. The necessity of specialization in industrial plants. The working plan of industrial plants must be elastic enough to allow of alteration in the production program from one quarter of the year to another. Technical control in the works should guarantee the supply to the shops of proper materials (or raw materials) to keep the technological process at the correct level and without defective parts. Technical conditions of production and of the final control of machines produced.

KOWALCZYK, St. (Warszawa)

Observations on the influence of the hormonal and surgical castration  
upon the fattening process in female swine. Roczn. nauk roln. wet. 70  
no. 1/4: 316-319 '60. (EEAI 10:9)

(Swine) (Castration)

KOWALCZYK, Stanislaw

Dr. Aleksander Jaworowski, librarian of the Medical Association.  
Ann.Univ.Lublin; sec.D 14:1-5 '59.

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor:  
mgr Stanislaw Kowalczyk.  
(BIOGRAPHIES)



KOWALCZYK, Stanisław

The Medical Society of Lublin 1874-1944. Social and medical activity.  
Ann. univ. Lublin sec.D 15:15-32 '60..

1. Z Biblioteki Główniej Akademii Medycznej w Lublinie Dyrektor  
Biblioteki: mgr Stanisław Kowalczyk.  
(SOCIETIES MEDICAL hist.)

KOWALCZYK, Stanislaw

The Lublin Medical Society 1874--1944. Scientific activity. I.  
Ann. Univ., Lublin sect.D 16:1-11 '61.

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor  
Biblioteki: mgr Stanislaw Kowalczyk.  
(SOCIETIES MEDICAL) (HISTORY OF MEDICINE XIX CENT)  
(HISTORY OF MEDICINE XX CENT)

KOWALCZYK, Stanislaw

The Lublin Medical Society 1874--1944. Scientific activity. II.  
Ann. Univ., Lublin sect.D 16:13-26 '61.

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor  
Biblioteki: mgr Stanislaw Kowalczyk.  
(SOCIETIES MEDICAL) (HISTORY OF MEDICINE XIX CENT)  
(HISTORY OF MEDICINE XX CENT)

KOWALCZYK, Stanislaw

SURNAME, Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation:

Source: Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961,  
pp 598-601

Data: "Tumor from the Granular Layer of the Graafian Vessicle  
of the Ovary in a Cow."

✓ PREIBISCH, Jerzy, Department of Pathological Anatomy (Katedra Anatomii  
Patologicznej), Veterinary Department (Wydział Weterynaryjny) of the  
SGGW [Abbreviation not identified], Warsaw; Director (Kierownik):  
Prof Dr Heliodor Szwejkowski

✓ KOWALCZYK, Stanislaw, Department of Obstetrics and Reproductive Pathology  
of Animals (Katedra Poloznictwa i Patologii Rozrodu Zwierząt), Veterinary  
Department (Wydział Weterynaryjny SGGW [Abbreviation not identified],  
Warsaw; Director (Kierownik): Prof Dr Roman Hoppe

[ POLAND ]

KOWALCZYK, Stanislaw, Dr., Obstetrical Clinic (Klinika Po-  
łożnictwa), Veterinary Division (Wydział Weterynaryj), SGGW  
[Szkoła Główna Gospodarstwa Wiejskiego, Main School of Rural  
Economy] in Warsaw (Director: Prof. Dr. Roman HOPPE)

"Whiteside's Modified Test and Its Value for Diagnosis of  
Chronic Inflammations of Mammary Glands in Cows."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 18, No 12, Dec  
62, pp 710-712.

Abstract: Author describes in detail a modification (Han-  
sen and Murphy) of the Whiteside test, which can be easily  
performed in the field and be completed in about half an  
hour. Precautions to avoid failure of the test are given.  
All four references are English.

[ 1/1 ]

POLAND

KOWALCZYK, Stanislaw, Obstetrical Clinic [Klinika Polozni-  
cza], Veterinary Division (Wydzial Weterynaryj), SGGW  
[Szkoła Główna Gospodarstwa Wiejskiego, Main School of Rural  
Economy] in Warsaw (Director: Prof. Dr. Roman HOPPE)

"Synthetic Oestrogens and the So-called 'Hormonal Castra-  
tion'."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 2, Feb  
63, pp 106-110.

Abstract: Review article from the literature on our know-  
ledge under the headings of factors affecting the action  
of oestrogens in the organism and on the mechanism of their  
action. Most of the 40 references are in English and  
German.

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POLAND

"APPROVED FOR RELEASE: Monday, July 31, 2000

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KOWALCZYK, Stanislaw, Obstetrical Clinic (Klinika Polozni-  
cza), Veterinary Faculty (Wydzial Weterynaryjny), SGGW [Sko-  
ła Główna Gospodarstwa Wiejskiego, Main School of Rural  
Economy] in Warsaw (Director: Prof. Dr. R. HOPPE)

"Investigations on the Value of the CAMP Test for Detection  
of *Streptococcus agalactiae*."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 8, Aug 63,  
pp 468-471

Abstract: [Author's English summary modified] Author's re-  
port on his study (actually performed at Ithaca, N.Y.),  
which established that the CAMP test, using standardized  
(for *Streptococcus anti-beta-haemotoxin* content) bovine  
blood medium with addition of esculin, and the Murphy, Stu-  
art, and Reed classification, gives a way to detect and dis-  
tinguish between *S. agalactiae*, *S. disgalactiae*, and *S.*  
*uberis*, with the results of 256 studied strains agreeing  
97 per cent with serological test findings. Five US refs.

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KOWALCZYK, Stefania; ROJECKI, Ananiasz

Stanisława Kosinska-Bartnicka, Oct. 13, 1884 - Aug. 26, 1961. Przegl  
geofiz 6 no:4:285-286 '61

Country	: Poland	H-3
Category=	: Chemical Technology. Chemical Products and Their Applications. Instruments and Automation	
Abs. Jour.	: Ref Zhur - Khim., No 11, 1959	38944
Author	: Kowalczyk, T.	
Institut.	: Not given	
Title	: Evaporator with Hydraulically Actuated Discharge Valve	
Orig. Pub.	: Gaz Cukrown, 59, No 11, 295-296 (1957)	
Abstract	: A hydraulic system has been developed for the remote-controlled operation of the discharge valves of evaporators used in sugar factories. The system consists of three basic units: (1) a hydraulically (oil) actuated mushroom-shaped valve of 400-500 mm diam, (2) a hydroelectric unit which automatically maintains the required pressure in accumulators which supply oil to 4-6 jacklines, and (3) a control station with a hydraulic selector for directing the flow of the oil which can be installed at the evaporator or at a centrally located point. The pressure on the oil in the accumulators is 18-20 atm and is	
Card:	1/2	
		H-8



KOWALCZYK, T.

COUNTRY : Poland  
 CATEGORY :  
 ABS. JOUR. : AZKhim., No. 16 1959, No. 58099  
 AUTHOR : Defektysh, B., Kowalczyk, T., Osob, S., and  
 TITLE : The Use of Paper Chromatography in the Separation of Sulfamides in Medicinal Preparations  
 ORIG. PUB. : Chem Analit, 2, No 4, 366-375 (1958)  
 ABSTRACT : The authors have developed new methods for the separation of sulfamides in therapeutic preparations, based on the use of mixtures of n-butanol + 10% NH<sub>4</sub>OH (100 : 30) and n-butanol + water (100 : 19) as solvents. The compositions of the preparations investigated are listed. The method [sic] developed makes it possible to detect impurities in sulfamide preparations, e.g., the presence of sulfathiazole in sulfadiazole preparations.  
 From authors' summary  
 CARD: 1/1 \* Paprocka, B.

KOWALCZYK, T.

Modern centrifuges in the sugar industry. p. 140

GAZETA CUKROWNICZA. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Przenyslu Rolnego i Spozывczego i Centralny Zarzad Przenysiu Cukrowniczego) Warszawa, Poland. Vol. 61, no. 5, May 1959.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 8  
August 1959.

Uncl.

KOWALCZYK, Wladyslaw (Warsaw)

Twenty-years of achievements in organizing and building engineering schools in People's Poland (1944-1964). Przegl budowl i bud mieszk 27 [i.e. 37] no.3:124-134 Mr '65.

KOWALCZYK, Excerpta Medica Sec.10 Vol.11/7 Obstetrics and  
Z, Gynaecology July 58

1120. MORPHOLOGIC PICTURE OF THE BLOOD OF A NEWBORN INFANT WITH PARTICULAR REFERENCE TO THE CHANGES TAKING PLACE DURING THE FIRST 24 HOURS OF LIFE - Obraz morfologiczny krwi noworodka ze szczególnym uwzględnieniem zmian zachodzących w pierwszej dobie życia - Kowalczyk Z. Klin. Niemowlęcej Inst. Matki i Dziecka, Warszawa - PEDIAT. POL. 1957, 32/5 (499-511) Tables 6

The influence of the delivery on the morphological picture of blood of women in labour (56 cases) and in the newborn (58 cases) was investigated. Comparisons were made of the picture of blood of women during the first and 2nd stage of labour and the picture of blood of the children born by spontaneous delivery, caesarean section and by means of forceps. The morphological composition of blood of the newborn in 3 isolated groups showed quantitative fluctuations. The lowest level of haemoglobin, the smallest number of erythrocytes and the largest number of reticulocytes and erythroblasts were found in children born by means of caesarean section. In the blood of children born by forceps there was the greatest number of leukocytes and the largest shift to the left; in the blood of children from spontaneous deliveries the smallest number of leukocytes and the smallest shift to the left were observed. The reaction of the leukocytic system of a newborn infant to birth trauma is the strongest during the first 12 hr. of life and is connected with the type and course of delivery.

(VII, 10)

1. Z KLINIKI NIEMOWLECET INST. MATKI I DZIECKA  
W WARSZAWIE DYREKTOR INST. PROF. DR. MED

POLAND

Halina HOFMAN, Zofia KOWALCZYK and Irmina ZEIMAN, Infants' Department (Oddzial Mienowitczego) Head Dr H. HOFMAN; Mother-and-Child Institute Director (dyrektor) Prof Dr F. GROSS; and Warsaw Section (Tracowna Warszawska) Institute of Neuropathology of the Polish Academy of Sciences (Zaklad Neuropatologii PAN [Polskie Akademia Nauk]) Head of Section Docent Dr E. OSETOWSKA; Head of Institute Prof Dr A. KUNICKI, Warsaw.

"Congenital Progressive Werdnig-Hoffmann Muscular Atrophy."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 45, 5 Nov 1962; pp 1761-1763.

Abstract [English summary modified]: Clinical and comprehensive histopathological data on boy who died at 14 weeks of age. Widespread neuromuscular atrophy. Two slides, 6 Western and 2 Polish references.

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KOWALCZYK, Z.

KOWALCZYK, Z. Determining Magnitude of the Transversal Error of Closure in Relation to the Starting Point of Triangulation. Geodezja i Kartografia Warszawa (Polish Academy of Science) Committee on Geodesy. 1954, v. 3, no. 2, p. 84.

KOWALCZYK, Z.

Achievements of the Academy of Mining and Metallurgy in Krakow in the 10 years of People's Poland against the background of the school's 35 years of existence. p. 227. (PRZEGLAD GORNICZY, Vol. 10, No. 7/8, July/Aug. 1954, Stalinograd, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KOWALCZYK, Z.; MILEWSKI, M.

KOWALCXYK, Z.; MILEWSKI, M. The level rod constructed by Z. Kowalcxyk. p. 41

N o. 1, 1956

GEODEZJA

SCIENCE

Warszawa, Poland

So: East European Accession, Vol.6, no. 2, Feb. 1957



KOWALCZYK, Z.

The development of the Academy of Mining and Metallurgy in Krakow.

P. 7 (BUDOWNICTWO PRZEMYSLOWE) Poland, Vol. 6, No. 1, 1956

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

ROZALCZAK, Z.

History of the Academy of Mining and Metallurgy in Krakow. p. 9.  
(GEOLOGIA. Vol. 10, no. 1, 1956, Krakow, Poland)

SO: Monthly List of East European Accessions (EEL) 12. Vol. 6, no. 12, Dec. 1957.  
Uncl.

KONALCZYK, Z. ; MILEWSKI, M.

Research on the possibility of using three plummets joined into a line for mine orientation.

P. 221. (GEODEZJA I KARTOGRAFIA) (Warszawa, Poland) Vol. 6, no. 4, 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

KOMALCZYK, Z.

An attempt at using photogrammetry in mining geology. p. 395.

PRZEGŁAD GEOLOGICZNY. (Wydawnictwa Geologiczne) Warszawa. Poland.  
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959.

Uncl.

KOWALCZAK, Zygmunt, prof. dr inz.

Determination of the rate of surface deformations as a result  
of mining activities by means of vertical cross sections.  
Geod i kart 9 no.2:101-103 '60.

S/035/62/000/008/050/090  
A001/A101

AUTHOR: Kowalczyk, Zygmunt

TITLE: Scientific and educational activities of the mining geodesy division of the Mining-Metallurgical Academy in light of problems set for geodesy by national economy

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 1 - 2, abstract 8G5 ("Zesz. nauk. Akad. gór.-hutn.", 1961, no. 50, 75 - 81, Polish)

TEXT: The mining geodesy division of the Cracow Mining-Metallurgical Academy was established in 1951; it includes the following departments: mathematics, geodesy, higher geodesy and geodetic calculations, mining geodesy (consists of two sections: mine surveying and photogrammetry), engineering geodesy, soil science and construction engineering. Hundred students are admitted annually to the first course of the division. About 400 specialists have been graduated from the division during 15 years. A correspondence course section exists at the division. Scientific investigations deal with the following main problems: 1) methods of mine surveying, 2) rationalization of geodetic calculations, 3) appli-

Card 1/2

Scientific and educational activities of...

S/035/62/000/008/050/090  
A001/A101

cation of optical and electronic measurement methods, 4) studies of deformations of buildings and constructions in regions of mining workings, 5) problems connected with utilization of territories left after mine exploitation. Over 400 scientific works have been published by the workers of the division. The plan of a further development of division scientific activities calls for elaboration of new methods of mine surveying and designing corresponding equipment (in particular, electronic devices for measuring distances, and automatic computers for geodetic calculations), investigation of the shape of the geoid, and introduction of photogrammetric methods into mine surveying and geologic surveys. ✓

K. Glazenap

[Abstracter's note: Complete translation]

Card 2/2

KOWALCZYK, Zygmunt, prof., dr., inż.

Contribution to investigations on the effect of mining by strips,  
on the surface. Przegl gorn 17 no.7/8:359-362 J1-Ag '61.



S/035/62/000/010/128/128  
A001/A101

AUTHOR: Kowalczyk, Zygmunt

TITLE: A camera for stereophotogrammetric survey

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 47,  
abstract 10G250 P (Polish patent, cl. 42o, 10/01, no. 45267,  
January 16, 1962)

TEXT: Invention consists in the design of a duplex photocamera for ground  
stereophotogrammetric survey. Two cameras, whose objectives are focused in the  
range from 1.6 m to infinity, are mounted on holders sliding along the base rule  
fastened on the theodolite alidade. Separation between the cameras (base of sur-  
vey) can vary, by steps of 100 mm, within the range from 0.4 to 1.2 m.

K. G.

[Abstracter's note: Complete translation]

Card 1/1

KOWALCZYK, Zygmunt, prof.dr.inz.

Geological underground documentation of ore deposits set up in  
color photograms. Rudy i metale 7 no.7:302-306 JI '62.

KOWALCZYK, Zygmunt, prof. dr inz.

Photogrammetric determination of ore-bearing and  
mineralization coefficients. Rudy i metale 7 no.8:351-353  
Ag '62.

KOWALCZYK, Zygmunt, prof., dr., inż.; SITEK, Zbigniew, mgr., inż.

Prototype of a stereometric camera for mining purposes.  
Przegl gorn 18 no.1:47-51 '62.

KOWALCZYK, Zygmunt, prof. dr. inż.

On the necessity of complex research on tectonic movements in  
Upper Silesia. Przegl gorn 18 no.6:317-327 Je '62.

KOWALCZYK, Zygmunt

1. "Symptomple Utilization of Photogrammetry," Moscow, Pressed Technology, Vol. XXIII, No 5, May 1962.
2. "Photogrammetry in Mining," Prof. Zygmunt KOWALCZYK, doctor of engineering; pp. 177-182.
3. "Photogrammetry in Geological Research," docent Emil KOWALCZYK; pp. 192-197.
4. "Aerophotogrammetry and Agriculture," Walerij FIEDOROW, Eng., master of engineering; pp. 197-200.
5. "Aerophotogrammetry and Forestry," Krzysztof RUDZKI, master of engineering; pp. 201-205.
6. "Aerogrammetry Used for the Determination of the Wood Supply in Lowlands," Walerij FIEDOROW, master of engineering, of the Department of Forest Management, Forest Research Institute (Laski Wodociąg) and Forest Management Institute (Laski Wodociąg); pp. 206-209.
7. "Photogrammetry and Country Planning," Wiktor RICHART; pp. 209-214.
8. "Photogrammetry Used for Road Planning and Road Building," Janusz WILCZYK, master of engineering, of the Department of Photogrammetry of the Warsaw Polytechnic (Zaklad Fotogrametrii Politechniki Warszawskiej); pp. 215-218.
9. "Photogrammetric Documentation in Agriculture, Archaeology and Anthropology," Walerij FIEDOROW, master of engineering, of the Institute of Photogrammetry of the Warsaw Polytechnic (Zaklad Fotogrametrii Politechniki Warszawskiej); pp. 219-221.
10. "Photogrammetric Methods for the Inventory of Historical Monuments," Jan GUSKO, master of engineering, Assistant Professor of the Institute of Mining and Metallurgy (Zaklad Geodezji); pp. 221-225.
11. "Invention Prof. Dr. Jan PIOTROWSKI," Zdzislaw ADAMCZYK; pp. 225-226.

- 1/2 -

KOWALCZYK, Zygmunt, prof. dr inż.

Tremors in the Upper Silesian region. Przegl gorn 19 no.3:109-113  
Mr '63.

KOWALCZYK, Zygmunt, prof. dr inż.

Stereophotogrammetric documentation of mining accidents and breakdowns.  
Przegl geod 35 no.4:177-182 Ap '63.

1. Akademia Gorniczo-Hutnicza, Krakow.



KOWALCZYK, Zygmunt

Determination of the dependence between the size of deformations of the surface and the shape of the field of utilization. Geod i kart 12 no.1:37-57 '63.

KOWALCZYK, Zygmunt

Orientation of a mine based on linear measurements. Geod i kart  
11 no.3/4:195-202 '62.

KOWALCZYK, Zygmunt; SITEK, Zbigniew

Accuracy testing of the objective of a photocamera. Geodezja AGH  
no.4:35-45 '63.

1. Department of Mining Survey, School of Mining and Metallurgy,  
Krakow.

KOWALCZYK, Zygmunt

Suggestion of methods for complex investigation of tectonic movements with particular consideration of mining areas.

Acta geophys Pol 11 no. 1/2: 119-125 '63.

1. Akademia Gorniczo-Hutnicza, Krakow.

KOWALCZYK, Zygmunt, dr

Comparison of real and predicted deformations based on the theory  
of vertical profiles in cases of troughs not yet completely formed.  
Praegl geod 34 No.9:365-370 S '63.

KOWALCZYK, Zygmunt, prof. dr inz.

Comparison of the size of real and anticipated deformations  
on the basis of the theory of vertical profiles in case of  
complete subsidence. Przegl geod 35 no. 6:231-237 Je '63.

GRUDZINSKI, S.; KOTELKO, A.; KOWALCZYK, Z.

Studies on cyanomethyl esters. Pt. 3. Acta chim 9:71-82 1964.

1 Institute of Technology of Drugs of the School of Medicine,  
Lodz. Presented Nov. 1962.

KOWALCZYK, Zygmunt, prof.

Construction, operation principles and use of the gyrocompass  
in surveying. Przegl geod 36 no. 1:1-8 Ja '64.

1. Akademia Gorniczo-Hutnicza, Krakow.



KOWALCZYK, Zygmunt, prof. dr inz.

Application of photogrammetry in geologic prospecting  
works and in opencast mining. Przegl gorn 20 no. 2:  
51-60 F '64.

KOWALCZYK, Zygmunt, prof.dr inż.; SITEK, Zbigniew, dr inż.

Experiment in utilizing stereophotogrammetry for the preparation  
of maps of underground mine workings. Przegl. gór. 20 no.6:  
301-306 Ję '64

KOJALCZYK, Zygmunt

Design of a simplified triangulation point construction with elevated stations. Geodezja Krakow no.6:11-14 '64.

Pneumatic signal for use in triangulation and topographic works.  
Ibid.:15-18

1. Department of Mine Surveying of the School of Mining and Metallurgy, Krakow.

KOWALCZYK-KANIEWSKA, Teresa-

Colorimetric determination of 3-aminophenol in the sodium salt of 4-aminosalicylic acid (sodium-PAS). Acta pol. pharm. 19 no.4:341-344 '62.

1. Z Zakladu Chemii Analitycznej Instytutu Lekow Kierownik: doc. mgr inz. Z. Margasinski.

(PHENOLS)

(ANILINE COMPOUNDS)

(AMINOSALICYLIC ACID)

(COLORIMETRY)

(CHEMISTRY, PHARMACEUTICAL)

KOWALCZYKOWA, J.

100 Years of the work of the Cracow Department of Pathological  
Anatomy. Pat. polska 3 no.4:301-308 Oct-Dec 1952. (CLML 24:2)

1. Of the Institute of Pathological Anatomy (Head--Prof. J. Kowal-  
czykova, M.D.) of Krakow Medical Academy.

KOWALCZYKOWA, Janina

Unknown work of Ludwik Teichmann on injection into the hair. Pat.  
polska 5 no.1:31-33 Ja-Mr '54.

1. Z Zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie.  
Kierownik: prof. dr J.Kowalczykowa.

(BIOGRAPHIES;

\*Teichmann, Ludwik)

(HAIR,

\*impregnation, Teichman method)

KOWALECZYK, Jan, Doc. dr.

In Memoriam prof. Dr. Jan Glatzel, 1888-1954. Polski tygod. lek.  
9 no.32:1021-1023 9 Aug 54.

(OBITUARIES,

Glatzel, Jan)

(BIOGRAPHIES,

Glatzel, Jan, bibliog.)

ALEKSANDROWICZ, Julian; KOWALCZYKOWA, Janina; PRZYBYLIEWICZ, Zdzisław,  
Kraków

Acute reticulosis in the course of a Bartonella infection. Przegl.  
lek. Kraków 10 no.12a:347-351 Dec 54.

1. Z III Kliniki Chorob Wewnętrznych, z Zakładu Anatomii Patol.  
i Zakładu mikrobiologii lekarskiej Akad. Med. w Krakowie

(BARTONELLA INFECTIONS, complications  
lymphoma, acute)

(LYMPHOMA, complications  
Bartonella infect.)



KOWALCZYKOWA, Janina

Circulatory changes in human tuberculosis treated with isonicotinic acid hydrazide. Gruslica 22 no.12:833-838 Dec. '54.

1. Z zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie. Kierownik: prof.dr J. Kowalczykowa. Krakow, Dietla 83.

(TUBERCULOSIS, therapy

isoniazid, eff. on circulation)

(NICOTINIC ACID ISOMERS, ther. use

isoniazid, eff. on circulation)

(BLOOD CIRCULATION, eff. of drugs on

isoniazid in ther. of tuberc.)

KOWALCZYKOWA, Janina; SOKOLOWSKI, Stefan.

Border-line neoplastic-inflammatory conditions; malignant granuloma. Otolar. polska 9 no.3:189-196 1955.

1. Z Kliniki Laryngologicznej A.M. w Krakowie: Kierownik: prof. dr. J.Miodonski. Z Zakladu Anatomii Patologicznej A.M. w Krakowie. Kierownik: prof. dr. J.Kowalczykowa.  
(HODGKIN'S DISEASE)

KOWALCZYKOWA, Janina  
KOWALCZYKOWA, Janina; SOKOLOWSKA-PITUCHOWA, Janina

Kidney neoplasms. Urol. polska 10:31-46 1956.

1. Z Zakładu Anatomii Patologicznej A. M. w Krakowie. Kierownik:  
prof. dr J. Kowalczykowa.

(KIDNEYS, neoplasms  
classif. (Pol))

BOBROWA-PORWIT, Zofia; CHLAP, Zbigniew; KOWALCZYKOWA, Janina, PRZYBYLKIOWICZ,  
Zdzislaw

Cytopathology of HeLa strain cancer cells (carcinoma cervicis Gey)  
resulting from the activity of vaccinia virus; observations on tissue  
culture in vitro. Pat.polska 9 no.2:163-173 Apr-June 58.

1. Z Zakladu Anatomii Patologicznej A.M. w Krakowie. Kierownik:  
prof. dr J. Kowalczykowa i z Zakladu Mikrobiologii Lekarskiej A.M.  
w Krakowie Kierownik prof. dr Z. Przybylkiewicz. Adres autora:  
Krakow, ul. Czysta 16.

(VACCINIA, virus

eff. on HeLa cells in tissue culture (Pol))

(TISSUE CULTURE,

eff. of vaccinia virus on HeLa cells in tissue culture  
(Pol))

HORNUNG, Stanislaw; KOWALCZYKOWA, Janina; PARYSKI, Edwin; KULIG, Andrzej;  
LATAK, Zofia; POLOMCZYK, Mieczyslaw; WASOWICZ, Anna

The course and morphological picture of experimental tuberculosis in guinea pigs produced by the strains of Mycobacterium tuberculosis isolated from patients treated by INH. Gruzlica 27 no.7:621-640 JI.'59.

1. Z Kliniki Petyzjacyjnej A.M. w Krakowie. Kierownik: prof.dr S. Hornung; z Zakladu Anatomii Patologicznej w Krakowie. Kierownik: prof.dr J. Kowalczykowa i Z Sanatorium im. Chalubinskiego w Zakopanem. Dyrektor: dr E. Paryski.  
(TUBERCULOSIS exper.)

KOWALCZYKOWA, Janina (Krakow, ul. Dietla 83)

Pathological anatomy of the osteo-hemopoietic system, Polskie arch.  
med. wewn. 29 no.2:153-162 1959.

1. Z Zakladu Anatomii Patologicznej A.M. w Krakowie Kierownik:  
prof. dr med. J. Kowalozykowa.  
(BONE MARROW, pathol.  
(Pol))

KOWALCZYKOWA, Janina

Significance of patho-anatomical examinations of resection specimens.  
Postępy hig. med. dow. no.2:101-108 '60.

1. Z Zakładu Anatomii Patologicznej Akademii Medycznej w Krakowie  
Kierownik: prof. dr Janina Kowalczykowa.

(TUBERCULOSIS PULMONARY pathol)

TEMPKA, T.; KOSTKOWSKI, A.; MACIEJEWSKA, Gr.; PRZYBYLKIEWICZ, Z.;  
LASKOWNICKA, Z.; KOWALCZYKOWA, J.; NOWAK, K.

Cryptococcus septicemia (torulosis) in the light of personal investigations, with special reference to the use of phase microscopy in the diagnosis. Acta medica polona (Warszawa) 1 no. 3/4: 249-258 '60.

1. II Clinic of Internal Diseases of the Medical Academy in Cracow. Director: Professor T. Tempka M.D. (for Tempka, Kostkowski, Maciejewska). 2. Department of Medical Microbiology of the Medical Academy in Cracow. Director: Professor Z. Przybylkiewicz M.D. (for Przybylkiewicz, Laskownicka) 3. Department of Pathological Anatomy of the Medical Academy in Cracow. Director: Professor J. Kowalczykowa M.D. (for Kowalczykowa, Nowak)

! (CRYPTOCOCCOSIS diag) (SEPTICEMIA diag)



KOWALCZYKOWA, Janina; TETER, Jerzy; MIKULOWSKI, Pawel

Precocious puberty due to an ovarian tumor composed of germ cells and Sertoli-granulosa cells (gonocytoma II). Acta medica polona 3 no.2: 159-170 '62.

1. Department of Pathological Anatomy, Medical Academy, Grocow  
Director: Professor Dr. J. Kowalczykova I Gynecological and Obstetrical  
Clinic, Medical Academy, Warsaw Director: Professor Dr T. Bulski.  
(PUBERTY, PRECOCIOUS etiol.) (OVARY neoplasms)  
(GRANULOSA CELL TUMOR diag.) (SERTOLI CELL TUMOR diag.)

KOWALCZYKOWA, Janina; SZCZUDRANA, Jerzy; GEORGIADIS, Jerzy; BOBROWA, Zofia

Experimental investigations of epidemic hepatitis. I. Temporary sensitivity to infection and anatomopathological lesions in livers of mice infected with the mouse-adapted Mott virus. Acta medica polona 3 no.3:257-262 '62.

1. Department of Medical Microbiology, Medical Academy, Cracow  
Director: Prof. Dr. Z. Przybylski Department of Pathological  
Anatomy, Medical Academy, Cracow Director: Prof. Dr. J. Kowalczykova.  
(HEPATITIS, INFECTIOUS)

POLAND

Janina KOWALCZYKOWA, Institute of Pathologic Anatomy, Medical Academy,  
Krakow [Original version not given.]

"The Present Situation of Genetics in Poland."

Krakow, Folia Biologica, Vol 10, No 3-4, 1962; PP 313-314.

Abstract [English article]: Introductory article to summarizations of  
20 papers presented at the symposium on human genetics held in Warsaw  
January 18, 1962: this was devoted primarily to methods of organizing  
a strong corps of geneticists in Poland, with discussion of textbooks,  
educational and organizational activities; tasks - demography research,  
anthropological genetics, medical genetics, cytogenetics, environment,  
experimental genetics, eugenics. These aspects are briefly reviewed.

1/1

SCHWARZ, Stefan; SOWINSKI, Stefan; HELBICH, Adam; KOWALCZYKOWA, Janina

Malignant chorioepithelioma of the uterus. Pat. polska 13 no.2:  
235-238 '62.

1. Z I Kliniki Poloznictwa i Chorob Kobietych AM w Krakowie Kierownik:  
prof. dr S. Schwarz Z Zakladu Anatomii Patologicznej AM w Krakowie  
Kierownik: prof. dr J.Kowalczykowa.  
(UTERUS NEOPLASMS case reports) (CHORIOCARDINOMA case reports)

KOWALCZYKOWA, Janina; TETER, Jerzy; MIKULOWSKI, Pawel

Precocious puberty caused by a neoplasm of the ovary composed of germ-cells and of Sertoli granulosa cells (gonocytoma II).  
Endokry. pol. 13 no.3:365-375 '62.

1. Zakład Anatomii Patologicznej AM w Krakowie Kierownik: prof. dr  
J. Kowalczykowa I Klinika Położnictwa i Chorob Kobietych AM w  
Warszawie Kierownik: prof. dr. T. Bulski.  
(OVARIES neopl) (PUBERTY PRECOCIOUS etiol)  
(GRANULOSA CELL TUMORS in inf & child)

NOWAKOWA, Krystyna; KOWALCZYKOWA, Janina; ALEKSANDROWICZ, Julian;  
JANICKI, Kazimierz

On difficulties in the differential diagnosis of sympathoblastoma from  
tumors of the hematopoietic system. Pol. arch. med. wewnet. 32 no.2:  
237-247 '62.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie Kierownik: prof. dr  
med. J. Kowalczykowa i z III Kliniki Chorob Wewnętrznych AM w Krakowie  
Kierownik: prof. dr med. J. Aleksandrowicz.

(NEUROBLASTOMA diag) (HEMATOPOIETIC SYSTEM neopl)

KOWALCZYKOWA, Janina; KULIG, Andrzej; JORASZ, Elzbieta; HALAMA, Andrzej

Tumors of the olfactory placode. Acta med. pol. 3 no.4:395-415 '62.

1. Department of Pathological Anatomy, Medical Academy, Cracow.  
Director: Prof. Dr J. Kowalczykowa The Radiological Clinic, Medical  
Academy, Cracow, Director: Prof. Dr St. Januszkiewicz The Laryngological  
Clinic, Medical Academy, Cracow, Director: Prof. Dr. J. Miodonski.  
(EPISTAXIS) (NASAL POLYPS) (NOSE NEOPLASMS)

HORNUNG, Stanisław; KOWALCZYKOWA, Janina; KULIG, Andrzej; POLONCZYK, Mieczysław; ROKITA, Zofia; SMACZNA, Danuta.

Effect of INH and SM therapy of experimental tuberculosis caused by strains with a low INH-resistance. Gruzlica 31 no.12:1177-1184 D'63.

1. Z Kliniki Ftizjatrycznej (kierownik: prof. dr. St.Hornung) i z Zakładu Anatomii Patologicznej AM w Krakowie (kierownik: prof. dr. J.Kowalczykowa).

\*



KOWALCZYKOWA, Janina

The present situation of genetics in Poland. Folia biol 10 no.3/4:  
313-314 '62.

1. Institute of Pathologic Anatomy, Medical Academy, Krakow.

X

ZEBRO, Tedeusz; KOWALCZYKOWA, Janina; STACHURA, Jerzy

Resistance of the C57 black strain of mice to radiation-induced leukemias. Previously undescribed late post-irradiation changes. Pol. tyg. lek. 18 no.50:1878-1884 9 D\*63.

1. Z Zakladu Anatomii Patologicznej AM w Krakowie; kierownik: prof.dr. Janina Kowalczykowa.

\*

KOWALCZYKOWA, J.; PRZYBYLKIEWICZ, Z.; SZCZUDRAWA, J.;  
~~GEORGIADES, J.; PORWIT-BOBR, Z.~~

Viremia and pathologic changes in the mouse liver during  
infection with virulent variant of Motol virus. Postepy  
mikrobiol 2 no.2:221-223 '63.

1. Department of Medical Microbiology and Department of  
Pathology, School of Medicine, Krakow.

CHLAP, Zbigniew; KOWALCZYKOWA, Janina; PORWIT-BOBR, Zofia

Studies on the oncogenic activity of the polyoma virus in vitro and in vivo. II. Development of pathologic lesions in the Syrian hamster in the course of infection with the polyoma virus. Acta med. pol. 4 no.1:93-103 '63.

1. Department of Pathological Anatomy, Medical Academy, Cracow  
Director: Prof. Dr. J. Kowalczyk Department of Medical Microbiology,  
Medical Academy, Cracow Director: Prof. Dr. Z. Przybylski  
(POLYOMA VIRUS) (HEART NEOPLASMS) (LUNG NEOPLASMS)  
(BRAIN NEOPLASMS) (LIVER NEOPLASMS)

KOWALCZYKOWA, Janina; PRZYBYLKIOWICZ, Zdzislaw; SZCZUDRAWA, Jerzy;  
GEORGIADIS, Jerzy; PORWIT-BOBR, Zofia

Experimental studies of epidemic hepatitis. II. The dynamics of viremia and of the development of anatomopathological lesions in the livers of mice infected with the mouse-virulent variant of the Motol virus. Acta med. Pol. 4 no.3:281-289 '63.

1. Department of Medical Microbiology, Medical Academy, Cracow  
Director: Prof. Dr. Z. Przybylkiewicz. Department of Pathological  
Anatomy, Medical Academy, Cracow, Director: Prof. Dr. J.  
Kowalczykova.

(HEPATITIS, INFECTIOUS) (HEPATITIS, ANIMAL)  
(HEPATITIS VIRUSES) (TISSUE CULTURE)  
(LIVER CYTOLOGY) (PATHOLOGY) (BLOOD)

MIKULOWSKI, Włodzimierz; KOWALCZYKOWA, Janina; GUMINSKA, Maria; SZCZUDRAWA, Jerzy.

Chemical and clinico-anatomical studies on sphingomyelin lipidosis in children. Pol. tyg. lek. 19 no.8:304-308 17 F '64.

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie (kierownik: prof. dr. Bogusław Halikowski); z Zakładu Anatomii Patologicznej Akademii Medycznej w Krakowie (kierownik: prof. dr. Janina Kowalczykowska); z Zakładu Chemii Fizjologicznej Akademii Medycznej w Krakowie (kierownik: doc. dr. Włodzimierz Ostrowski).

KOWALCZYKOWA, Janina

Tadeusz Browicz (1847-1928). Pol. tyg. lek. 19 no.13:484 23 Kr '64.

KOWALCZYKOWA, Janina

History of the Department of Pathological Anatomy of the  
Academy of Medicine in Krakow. Pol. tyg. lek. 19 no.23:  
883-884 1 Je'64



HORNUNG, Stanislaw; KOWALCZYKOWA, Janina; KULIG, Andrzej; POJANOSZYK,  
Mieczyslaw; ROKITA, Zofia; SZWABIA, Irena

The course and morphological picture of experimental tuberculosis  
in guinea pigs produced with strains of *Mycobacterium tuberculosis*  
isolated from INH treated patients. III. Effect of the treatment  
with large doses of INH on experimental tuberculosis caused by  
strains with low INH resistance. *Biuletyn 32 no. 5: 223-229* By '64.

1. P. Kliniki Pieljatrycznej (Kierownik: prof. dr. S. Hornung) i  
w Zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie  
(Kierownik: prof. dr. J. Kowalczykowi).

KAWALCZYKOWA, Janina

600 years of medicine      Krakow. Nowotwory 12 no.4313-915  
(-D 161

KOWALCZYKOWA, J.

600th anniversary of the Jagiellonian University. Pat.Pol. 15  
no.4:iii-vi O-D '64

KOWALCZYKOWA, Janina; NIEZABITOWSKI, Aleksander; SZCZUDRAWA, Jerzy;  
TOMASIK, Bronislaw

Morphological and clinical picture of tumors of paraganglionic  
bodies of the parasympathetic system. Nowotwory 15 no.2:115-122  
Ap-Je '65.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie (Kierownik:  
prof. dr. med. J. Kowalczykowa) i z Pracowni Anatomopatolo-  
gicznej Miejskiego Szpitala Socjalistycznego im. dr. Anki w  
Krakowie (Kierownik: dr. B. Tomasik).

KOWALCZYKOWA, Janina; HASLINGER, Roman; KULIG, Andrzej

Mesotheliosia or mesothelioma peritonei? Nowotwory 15 no.3:  
235-237 J1-S '65.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie (Kierownik:  
prof. dr. med. J. Kowalczykowa) i z Oddziału Położnictwa i  
Chorób Kobietych "A" Szpitala Im. G. Narutowicza w Krakowie  
(Kierownik: dr. med. A. Konstatynowicz).

SOKOLONSKA-PITUCHOWA, J.; KOWALCZYKOWA, J.; KUS, J.; PIOTROWSKI, J.  
SAWICKI, B.

Teratogenic effect of malachite green in experimental animals.  
Preliminary report. Fol. biol. (Krakow) 13 no.3:311-315 '65.

1. Department of Descriptive and Topographical Anatomy, Medical  
Academy, Krakow and Department of Pathological Anatomy, Medical  
Academy, Krakow.

KOWALEWSKA, Jadwiga Urszula; KOWALEWSKI, Leon

Ferrites with hexagonal structure. Postepy fizyki 16 no.1:  
51-67 '65.

1. Department of Theoretical Physics of the A.Mickiewicz University,  
Poznan (for Leon Kowalewski). 2. Department of Ferromagnetics of  
the Institute of Physics, Poznan, of the Polish Academy of Sciences  
(for Jadwiga U. Kowalewska).

KOWALCZYNSKI, J.K.

Spinless interaction of slow neutrons with a particular type  
of rectangular complex cavity. Acta physica Pol 21 no.5:548-551  
My '62.

1. Institute of Experimental Physics, University, Warsaw.



KOWALESKI, Jan

~~WYDZIAŁ SŁUŻBY WYKONAWCZEJ~~

Lambliasis. Wiadomosci lek. 7 no.1:18-22 Jan. 54.  
(GIARDIASIS,)

27320

P/046/60/005/011/009/018  
D249/D303

21.5210

AUTHOR: Kowalew, Andrzej

TITLE: Some problems of activation during periodical  
operation of a reactor

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 755 - 759

TEXT: The author discusses methods of estimating the time of activation required for producing a given activity of a radioisotope in the target material. The operation of the "EWA" reactor is not continuous and, therefore, it is difficult to estimate the effectiveness of activation, in particular for prolonged exposures in the range of 2 months to several years. It is possible, however, to simplify the problem considerably by introducing the following two assumptions: 1) The operation of the reactor is periodical. The duration of the cycle is 168 h (1 week) including 72 h of continuous operation at 2MW output, 72 h of shut-down and 24 h of operation at a reduced or variable output. Since the latter period -

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P/046/60/005/011/009/018  
D249/D313

Some problems of activation ...

does not contribute much to the activation it is altogether neglected, so that a total period of 96 h of shut-down is assumed. 2) All secondary nuclear reactions with the isotope being produced are neglected. With these assumptions the activity  $S$  (decay/sec) induced during exposure  $t = nt_c - t_2$  can be obtained from the expression  $S = A_s K [1 - \exp(-n t_c)]$ , where  $t_c = t_1 + t_2$  is the duration of the cycle (1 week),  $t_1$  and  $t_2$  are the times of continuous operation and of shut-down,  $n$  - total number of cycles,  $A_s$  - saturation activity and

$$K = \frac{1 - \exp(-\lambda t_1)}{1 - \exp(-\lambda t_c)}$$

or approximately  $K = t_1/t_2$ . Finally the question is considered whether it is possible to make up for the lost effectiveness of activation due to periodical operation by extending the time of exposure. It is pointed out that the maximum activity which can be

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P/046/60/005/011/009/018  
D249/D303

Some problem of activation ...

reached at periodical operation is given by expression:  $S_{\max}$   
 $= A_g K < A_g$ , as compared with  $S = A_g (1 - e^{-\lambda t})$  for continuous operation, so that the answer for the above question is negative. Two numerical examples are presented. There is 1 Soviet-bloc reference. ✓

ASSOCIATION: Instytut badań jądrowych, Warszawa, zakład technologii izotopów i związków znaczonych (Institute of Nuclear Research, Warsaw, Department of Isotope and Tracer Technology)

SUBMITTED: November, 1960

Card 3/3